

Moon Day: A Giant 'Step' and 'Leap' Into Outer Space Exploration

by David L. Black

With data assistance from Lawrence Schirmerman, Joe McKinney and George Cline

Ten years ago on July 20, 1969, the world watched in awe as an American took that historic one small step onto the Moon. A dream of ages was fulfilled when astronauts Neil Armstrong and Edwin Aldrin in the Apollo 11 Eagle descended to the lunar surface while Michael Collins orbited the Moon in the command module Columbia. After completing their journey back to Earth, they splashed down in the Pacific on July 24th, culminating what could well be the greatest engineering accomplishment of the century.

Assisting in that feat and in subsequent lunar exploration was the Aerospace Center's forerunner, the U.S. Air Force Aeronautical Chart and Information Center. The organization which had, in fact, produced the first near side map of the lunar surface nine years prior to man's conquest of Earth's satellite.

Elsewhere in this issue we have reprinted the account of the Center's cartographic support for the landing mission as it was authored by Charlie Miller in 1969.

Since that first landing, which left behind a United States flag and a Presidential Proclamation, other missions have ventured forth, all requiring a massive amount of cartographic support from the Aerospace Center. Beginning with the Apollo 15 mission, more and more scientific investigation was done including the use of mapping cameras. The rover and special sensor equipment was put into use and the acquisition of scientific data became a large scale operation as compared to early missions when the primary concern was the engineering aspects of getting man to and from the lunar surface. The Aerospace Center not only played an im-

portant role in the Apollo 16 mission to repair a fender on the lunar rover thus eliminating a dust spray. The rover remained and so does the chart.

With the increased amount of data being returned to Earth from the subsequent Apollo manned space missions, the Center became involved in the task of assisting NASA in their data reduction efforts. The tasks of providing an improved control net and better determining the size and shape of the moon are still ongoing projects.

Complete mapping of the moon based on the NASA requirements has just been completed by DMA with laudatory comments from NASA. These products have basically been produced from 1972 to present in support of various scientific investigations conducted by the government and academic institutions.

Lunar dossiers were compiled to provide users with an index to the products and data available.

All the information and materials produced and disseminated by the Center are helping others to define the universe and perhaps the course of Earth's evolution, for the lunar surface provided a working laboratory that has been undisturbed by natural forces for 4-1/2

billions of years. The door had been opened for dreams to become reality. Once off the ground, modern man achieved in less than a century what ancient man dared only dream for millenniums. Now man had achieved the moon and the universe began to open its mysterious door ever so much.

The Center was called upon by NASA to produce the cartographic products that enabled Skylab and the Apollo Soyuz missions to continue the investigation of space and the Earth itself through various sensors. As in the Apollo series the products ranged from the mission control graphics to actual on board products that

would be used for both navigation and scientific experimentation.

Today the Center is involved in the Space Shuttle program again supplying the cartographic products for flight crew, mission control and launch and recovery. A 63 map packet is being prepared which will cover six possible sites and provide the approach and landing information necessary, for powerless flight. The shuttle is scheduled to make its maiden voyage sometime next year with a projected 500 flights included in the program.

There is no doubt that Neil Armstrong's "one small step" on

the lunar surface in 1969 was a tremendous achievement, but as he indicated upon his landing, "one giant leap for mankind." A leap that has made dreams continue to come true.

Today, known as Moon Day, marks the expanded pursuit of man's age-old quest: flight from Earth, with anticipated footsteps on the planets beyond.

As man investigates, explores and travels space, the people who make up the Aerospace Center team will stay in stride with technology so that the challenge of dreams becomes the accomplishments of reality.

Orienteer

DEFENSE MAPPING AGENCY AEROSPACE CENTER

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Illustrious Career Closes For One of Center's Top Managers, Long-term Employee

A native of West Virginia and a transplant to the St. Louis area by way of Parks College, Philip Rahall has become one of the management leaders in the mapping, charting and geodesy community. Next week he will

retire from the Aerospace Center after 30 years of service. He served in the Pacific Theatre as a ranging specialist. During the latter part of his tour he was assigned to the Adjutant General's Department.

With the Aerospace Center, and its predecessor, the U.S. Air Force



Center not only played an important role in development and production of the cartographic materials needed for each specialized mission but also can claim a degree of fame in knowing that one of its products remains on the lunar surface. The product is a photo descent chart used by the

undisturbed by natural forces for 4-1/2 billion years. But the Aerospace Center's efforts in support of the nation's manned space program did not stop with the lunar landing or the ending of the lunar voyages. The dream and problem of flight have fascinated the human mind from

Trachsel, Nelson Receive 15's One to Hq, One to PR

Arnold Trachsel and James Nelson were recently selected for promotion to GS-15 and transfers to positions at the headquarters in Washington, D.C. and Plans and Requirements here at the Center.

Trachsel, who has been assigned to ST, will move to the headquarters Programs, Production and Operations (PPA) while James Nelson moves from his assistant department chief's position in GD to the PRRN position in Plans and Requirements recently vacated by John Kristmann.

Trachsel began his employment with the Center in 1949 as part of the Photogrammetry Division. In 1959 he was assigned to techniques and development work as a cartographer, mathematician and physical scientist.

In 1972 he was assigned as a program manager for the Advanced Systems Branch of PR, an organization which later was consolidated as part of the new Directorate of Systems and Techniques.

He holds a bachelors degree in

math and physics from Washington University and has done advanced studies in geodetic sciences at Ohio State University.

Jim Nelson will be returning to an organization he worked in during the mid-70's. He has almost 27 years of Federal service, having come to the Aerospace Center in 1955. Prior to this Center he had worked with the Army Map Service (now DMAHTC) in the early 50's. He interrupted his civilian career for duty in the Korean Conflict during the mid-50's.

His education includes work in civil engineering at Arkansas State, University of Arkansas and the George Washington University.



Trachsel



Nelson

community. Next week he will bring to a close his illustrious career which has spanned 32 years with the Aerospace Center. Add to that two years of service during World War II in the U. S. Army and you have 34 years of major contributions to the Federal work scene.

Contributions for which he has received the Air Force Meritorious Civilian Service medal and the DMA Meritorious Civilian Service Award.

He came to the Aerospace Center in September of 1947 after he had received his degree in aeronautical engineering from Parks College of Aeronautical Technology of St. Louis University. He was first associated with the Aeronautical Information Division of the Center.

Prior to Center employment he served with the Army stateside with the 624th Field Artillery

"I'll Build You A Church"



Page 4, a first person article describing the experiences of three Center employees on a working vacation in the Dominican Republic.

its predecessor, the U.S. Air Force Aeronautical Chart and Information Center, he has held progressively responsible assignments culminating in his present position as Deputy Director of Programs, Production and Operations.

He has been an assistant chief of the old Plant Production Office; chief of the Radar Branch of Photogrammetry Division; chief of Compilation Branch 2 in Photogrammetry; assistant chief, Cartography Division; assistant director of the Operations Directorate under the Air Force lineage of the Center and later deputy director of Operations.

He assumed his present position in 1972.

During his career he has been involved in several major charting developments and changes in technology. His leadership has guided the changing programs of the organization so that products continue to meet the varied needs of the military weapons systems and manned space programs of the nation.

During his career he continued to keep abreast of changing times and technologies through a number of educational courses and seminars. He completed the Industrial College of the Armed Forces in 1969 and that same year received his masters in Business Administration from the George Washington University. He has also been an active member of the professional and technical societies associated with the Center, prominent among them the American Congress on Surveying



and Mapping and the American Society of Photogrammetry.

Tomorrow a special retirement dinner/dance will be held in his honor at the Stratford House on Interstate 44 in Fenton. Attending will be co-workers and professional associates from past and present Aerospace Center days all seeking to honor a leader in the M,C&G community.

At Presstime

A new deputy director has been announced for the Aerospace Center. He is Air Force Colonel John S. McKenney who comes from an assignment with the Supreme Headquarters Allied Powers Europe (SHAPE). Complete details next issue.

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. . . The Eagle Has Landed

HOUSTON: Sixty seconds.

EAGLE: Lights on; down 2½. Forward, forward 40 feet, down 2½, picking up some dust; 30 feet, 2½ down shadow, four forward, four forward, drifting to the right a little.

HOUSTON: Thirty Seconds.

EAGLE: Contact light. Okay, engines stop. Engine arm off.

HOUSTON: We copy. You're down Eagle.

EAGLE: Houston, Tranquility Base here. The Eagle has landed.

It was 4:17:42 p.m. EDT on July 20, 1969. The Apollo 11 lunar module, Eagle, had landed on the moon. Orbiting overhead was the command module, Columbia, with Air Force Col. Michael Collins at the controls.

Neil A. Armstrong and Air Force Col. Edwin E. Aldrin, Jr. were inside the Eagle. At 10:56 p.m., the hatch was pushed open and a cumbersome figure stepped down the ladder to the dusty surface below.

"That's one small step for a man. . . one giant leap for mankind," Armstrong said. Colonel Aldrin joined him on the moon, and the two raised the American flag.

For more than two hours they set up scientific experiments, collected dust and rocks and explored the moon's surface.

A plaque attached to the Eagle's landing structure was unveiled, revealing the east and west hemispheres of Earth, and the words "Here men from the planet Earth first set foot on the moon. We came in peace for all mankind. July 1969 A.D."

It was signed by the three Apollo 11 astronauts and President Richard M. Nixon.

A memento package was left on the moon. It contained two medallions from the Russian cosmonauts who had been killed, and a patch from the Apollo 1 crew whose members had died in a fire. There was also a small, gold, olive branch. Three other gold branches carried on the flight were given to the wives of the Apollo 11 crewmen.

The return to the command module and return to Earth were accomplished without a hitch. Col. Aldrin even submitted a travel voucher after his unusual temporary duty, but was paid only \$33.31, because government air transportation, government housing and government meals were used throughout the trip.

Though travel vouchers and mementos lent a light touch to the venture, they should not take away from the importance of the achievement. Humanity had taken its first step in its space quest toward the stars. Footprints now mark the moon. Only two people were there physically. Millions of others joined them mentally.

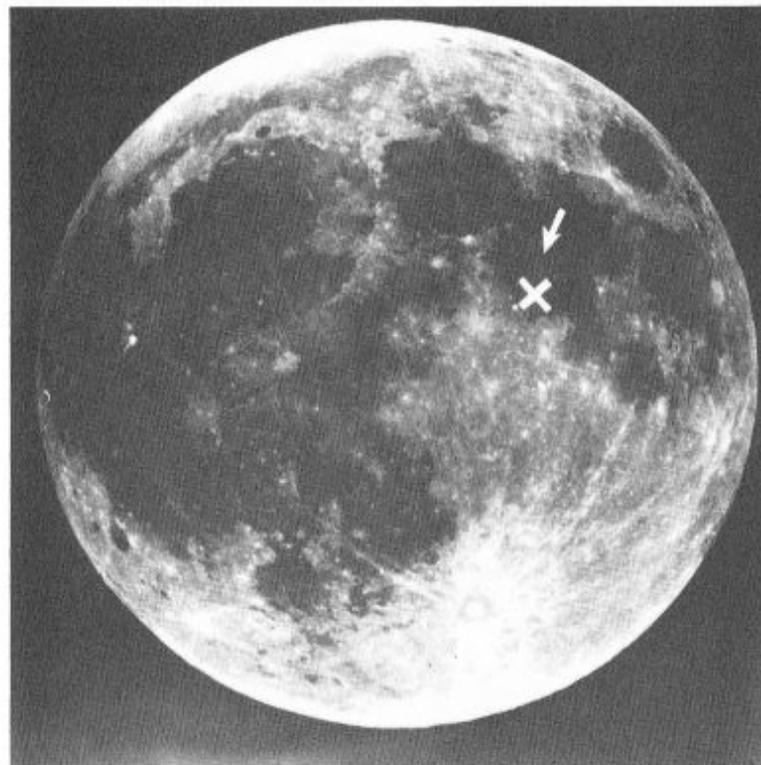
An American flag now flies where no other has been before. But this was not a nationalistic act. It was the culmination of years of effort by people from many countries: Germany's work with rockets, Russia's space efforts, and the worldwide exchange of ideas by scientists and engineers of every clime.

Each of us can take pride in this accomplishment. Each of us contributed in some way, however indirectly, to making it possible.

On the 10th anniversary of the first lunar landing, we can reflect on the sentiment expressed on the plaque left on the moon.

"We came in peace for all mankind."

That is truly a great leap for mankind.



The following is the account of this Center's support of the "man-on-the-moon" mission as written a decade ago by Charles Miller in the July 3, 1969 *Orienteer*.

ACIC Charts Will Help Astronauts Land On Moon

by Charles R. Miller

When the Apollo 11 astronauts roar off the pad at Cape Kennedy this month on their way to a moon landing, the three space pioneers will be carrying cartographic products specially produced here at the Air Force's Aeronautical Chart and Information Center. The flight items are another milestone in the decade of space support provided by the employees of ACIC.

Promotions

The following people received promotions during the month of June: William J. Adams, GS-7; Alice Allen, GS-9; Mary E. Anderson, GS-9; Linda D. Bagley, GS-5; Lucille I. Baltzell, GS-5; Gregory A. Barker, GS-7; Gearold L. Blank, GS-11; Frederick J. Bockelmann, GS-11; Leslie L. Bovier, GS-11; Stephen F. Brown, GS-9; Bert W. Bryant, GS-9;

Historic Barter Kits Now On Sale

The Defense Property Disposal Service (DPDS) is offering the general public an invitation to send in sealed bids on "escape and evasion aids," commonly called barter kits, which were put together for aircrewmen and paratroopers downed in unfriendly territory during World War II and

ceptable bids of about \$400 each, subject to changes in the market price of gold. An additional, larger offering of kits is planned at a later date.

Bids will be accepted in any quantity of one or more until sealed bid opening August 1, 1979 at 10 a.m. at the Defense Property

Hubert F. Cobb, WP-10; James J. Corbett, GS-11; William J. Craft, WP-12; Dennis R. Crain, WG-12; Thomas L. Crow, GS-11; Glenn N. Cummings, WP-12; Teri M. Dempsey, GS-11; Thomas H. Doll, GS-12; Raymond G. Donner, GS-11; Karl L. Douglas, GS-7; Mary K. Dufford, GS-5; William T. Fischer, GS-12; Silvia D. Freeman, GS-7; Anna L. Gosling, GS-9; Lorraine B. Grither, GS-9; Mary E. Guempel, GS-5; Dan E. Gwinn, GS-9; Jane L. Harris, GS-11; Robert F. Heeszel, WP-10; Irene A. Howe, GS-9; Roy A. Hurlburt, GS-11; Kathleen M. James, GS-9; Beatrice Jernigan, GS-9; Dorothy M. Kerwin, GS-11; John F. Kobus, GS-7; Thomas N. Kreis, Jr., GS-11; Ronnie E. Lancaster, GS-11; Thomas E. Lanham, GS-9; Harold V. Layton, GS-11; Charles D. Leibbrandt, GS-7; Felix F. Lopez, GS-9; Marilyn K. Massman, GS-9; Don J. McKinney, GS-9; Theodore D. McNeal, Jr., GS-11; Virginia L. Milentz, GS-7; Deborah G. Mitchell, GS-11; Lane G. Mousel, GS-9; Randall B. Nagel, GS-12; Marc A. Ofstedal, GS-9; Stanley W. Ogborn, GS-9; James D. Peroutky, GS-11; Willie J. Petty, GS-9; Michael G. Platter, WG-6; Ellis B. Ray, GS-9; Eleanor Reeves, GS-7; Stephen M. Richter, GS-11; Jack W. Sampson, GS-11; Charles L. Schaefer, WP-12; Richard V. Schramm, GS-12; Sherry L. Sidhu, GS-9; Leon C. Smith, GS-11; Marvin P. Staloch, GS-12; Eliza Stewart, GS-9; William J. Stiles, GS-12; Stephen R. Stover, GS-9; Alvoyd Sykes, territorial during World War II and Vietnam. The kits, held in war reserve stock, contain gold coins, jewelry and watches.

The WW II "Atlantic Kit" contains one 20-franc and one 10-franc gold coins (French mintage); one 1-pound sovereign and two ½-pound sovereign gold coins (British or South Africa mintage); and three gold rings, some plain and some embossed, containing 15/100 troy ounces of fine gold.

The "Southeast Asia Kit" contains one gold link chain (4 links) 1 ¾" in length, one gold embossed pendant (some are of heart shape and some of flat circular design), two gold embossed rings, and one 21-jewel Swiss calendar watch with black cloth band. Each of these kits contains 1.08 troy ounces of fine gold.

Coin condition and dates, as well as ring and pendant style vary with each kit. Because most of the kits are sealed, it will not be possible for bidders to request specific composition.

A quantity of 300 of the "Atlantic Kits" and 50 "Southeast Asia Kits" will be offered at minimum ac-

WP-14; Margaret A. Szuba, GS-11; Robert L. Thibodeaux, GS-13; Zane H. Thompson, GS-9; Jeffrey L. Tope, GS-11; John A. Treiber, GS-12; Donald E. Tuttle, GS-11; Earl W. Wickam, GS-7; Frances L. Williams, GS-7; Janet S. Wray, GS-9; Virginia M. Wren, GS-5; John L. Wright, GS-11; Victor V. Wright, GS-7.

a.m. at the Defense Property Disposal Service, Federal Center, Battle Creek, Mich. 49016. A deposit of 20 percent of the total must accompany the bid.

Interested bidders can receive a copy of a sales catalog on the kits by writing to: Defense Property Disposal Service; ATTN: Barter Kit Sale, DPDS-MMS-1; Federal Center; Battle Creek, MI 49016.

Patrolman of Month



George F. Treon's, SOP, performance has earned him the honor of Security Policeman for the month of May, according to Security Police officials. He has been a consistently efficient performer for a number of years and is regarded by his co-workers as a highly conscientious and courteous security policeman.

Treon served in the U.S. Army from February 1941 until September 1962, retiring with rank of master sergeant. He has been at the Center since October 1965.

employees of ACIC.

In addition to the dozens of ACIC products required to support NASA's Project Apollo, two new series will make their training and operational debut during the Apollo 11 mission. These are the Lunar Module (LM) Descent Monitoring Chart series and the Lunar Surface Exploration Map Data Package.

The LM Descent Monitoring Chart Series, prepared from Orbiter IV and Apollo Mission 10 photography, is produced to cover each of the three potential Apollo 11 landing sites. These graphics, 3 or more per landing site, are designed to cover the landing site area, approach and departure corridors to provide the LM flight crew with visual descent and ascent monitoring capability. The series will provide coverage for approximately 1100 nautical miles east and 200 nautical miles west of each site for descent and ascent monitoring respectively. In addition, graphics prepared from oblique photography are produced for the primary and alternate sites.

To achieve the broad scientific objectives of an extensive lunar exploration program, extra vehicular activity planned by the Lunar Module crew will be greatly improved through identification and mapping of significant geological and topographic features.

If Apollo 11 is launched on 18 July the ACIC produced Lunar Surface Exploration Map Data Package (with geology data compiled by U.S. Geological Survey) for an alternate site will provide the coverage and data required for planning and transverse activities. (The U.S. Army's Topographic Command is producing this item for the primary and one alternate site.)

This package is composed of three different scale graphics produced back to back on eight by ten and one-half inch sheets.

One 1:100,000 scale graphic covering the landing site and surrounding area will serve to establish general location and a recording base for visual observations of distant features. Three 1:25,000 scale graphics will serve to further refine the Lunar Module's location.

Ninety-two 1:5,000 scale graphics are included to assist in determining the precise location of the LM and provide a base map for detailed planning of lunar surface traverses.

These two series will perform important assistance to the Lunar Module crew in their training and lunar landing phases of Apollo Mission 11.

Six Reach Thirty Years

JESSE WILLIAMS, FEMP, celebrated his 30th anniversary on June 10. He was inducted into the U.S. Army in October 1941 at Jefferson Barracks and was discharged in April 1943.

He started work at the Marine Hospital in May 1951, working there as a custodian until it closed. He transferred to the Aerospace Center on September 29, 1952 and has been assigned as a custodian since then.

DAVID T. JAMES, GAM, reached the 30 year mark on July 6, the date he started at the Records Center at 4300 Goodfellow as a file clerk.

Five months later, in December 1949, he transferred to the Aeronautical Chart Plant and was assigned to the Distribution Division as a clerk. He was promoted to warehouseman, then finishing worker, power collator operator, production controller then to his present assignment as quality assurance specialist.

All of his service at the Aerospace Center has been in what is now included in the Graphic Arts Department.

JOSEPH T. LARSEN, LOMR, reached the 30 year mark on July 6.

After graduating from high school he took a job with mosquito control at Fort Miles, Del. In a few months he went to the Post Engineers as a junior plumber and in a short time to Ordnance as a junior machinist. After a short time in that job he was made junior instrument repairman working on mechanical directors and seacoast and anti-aircraft artillery.

He left to attend school but at the outbreak of the Korean War started working for Army Ordnance at Fort Wadsworth, Staten Island, N.Y. as an artillery mechanic. The M33 radar system

is presently assigned as unit supervisor in the ENAME Branch.

ELMER LITTLE, FEMPB, reached the 30 year mark on July 9. His first exposure to Federal service was in 1942 as a message center chief for the U.S. Army during WWII. After his discharge in 1946 he worked in industry for a few years, returning to Federal service in January 1953 as a hospital attendant at the VA Hospital at Jefferson Barracks. Six months later he transferred to the Aerospace Center as a laborer in the Distribution Division.

He was assigned to the supply and special projects program for several years, was promoted to a warehouseman and then to a finishing worker. He was a victim of the "RIF of October 1957." On recall in December 1957, he was assigned as a temporary laborer in the Directorate of Materiel until promoted in September 1960 to his present assignment of custodian.



Nelson



Little



Janicik

ALBERT J. JANICIK, ACIDB, reached the 30 year mark on July 18.

Originally a native of Pennsylvania, he entered the U.S. Navy in 1945 and served as flight simulator instructor in the Navy Control Tower School at Jacksonville, Fla. He then served

He later received his master's of business administration from St. Louis University.

He began his career at the Aerospace Center in 1951 as a cartographic aid in the Air Information Department and was shortly recalled for duty to serve as a U.S. Communications Officer in support of atomic energy tests on Eniwetok Atoll. On release from active duty in 1953 he returned to the Center and the Air



Williams



James

Information Department to later serve as chief of Air Facilities Branch, Navigational Devices Project Office, Design-Development Office and Flight Publication Production Office.

In 1968 he was assigned chief of production for the NASA Project office and later served in the

June Honor Roll

35 YEARS

Ray K. Walker, William A. Streit, Anthony Fecurka, Jr., Russell F. Maddock.

30 YEARS

Herbert J. Williams, Jesse Williams, Wilfred P. Moss, Walter G. Bean, Robert F. Linhoff, Jr.

25 YEARS

Jesse N. Valle, Alice R. Stevens, James W. Stark, Russell P. Ziegler, Walter V. Kowalski, Jr., Maxine Bartlett, Elijah Antrum, Tommy L. Mullins, Melvin L. Smith, Robert H. Hedgecock, George Rogala Sobieszansky, Thomas O. Seppelin, Graham Rosenberg.

20 YEARS

John N. Romer, Leroy B. Williams, Glenn N. Cummings, Arthur F. Kirchner, Robert C. Brown, Geraldine R. Pace, Gerald E. Congrove, Durward E. Sylvester, George W. Parker, Paul J. Lambeck.

15 YEARS

Casimir R. Szpak, Thomas J. Chryst, Jacquelyn M. Parks, Claudia L. Hopkins, Gayle A. Kenniston, Betty J. Sturm, Frank J. Bendix, Jr., James T. Harris, David L. McFerran, William J. Zdrodowski, Leo W. Saulnier, Jr.

10 YEARS

Russell W. Kelleher, Henry E. VanBeek, Mary B. Henning, Roberta L. Braundel.

OUTSTANDING PERFORMANCE RATING

David L. Black, Ethel H. Davis, Francis M. Mirkay, James W. Nelson, Geraldine V. Neumann.

OUTSTANDING PERFORMANCE RATING/ SUSTAINED SUPERIOR PERFORMANCE

Rondal Godfrey, Gail C. Ogan, Albert J. Pyszka.

QUALITY SALARY INCREASE

Richard O. Broaddus, Mary M. Kleba, David L. McCanna, William H. Schramm, Elda M. Shubert, Joe W. Smith.

SUSTAINED SUPERIOR PERFORMANCE

Christel J. Blancett, Robert D. Breshears, Cassandra J. Bush, James D. Dabbs, Jack F. Dames, William T. Fischer, Luella H. Hermann, Laura J. Holland, Clinton R. Honaker, Dexter J. Johnson, Arthur E. Kirchner, Warren A. Matthews, Thomas J.

mechanic. The M33 radar system was brought out to direct the fire of 90 MM and 120 MM guns and he was sent to electronics school and the M33 school. When the Nike system was introduced he went to school on this and maintained the radar and computer.

He went into the Army in December 1954 and was assigned to the Granite City Engineer Depot as an instrument repairman until December 1956.

He came to the Aerospace Center in February 1960 for communications equipment and at present is assigned to photographic equipment maintenance.

BERNARD T. NELSON, AD-DEA, reached the 30 year mark on July 8. He enlisted in the Army Air Corps as an aviation cadet in November 1942, and upon graduation from pilot training in March 1944 was commissioned a 2nd Lieutenant. He served as a bomber pilot (A-20) in the European Theater of Operations. He was discharged in November 1945 but remained in the Reserves for 20 years and is presently on the Reserve Officer Retired list as a Major.

He worked for the Department of Agriculture in South Dakota prior to coming to the Aerospace Center in December 1955 as an air navigation technician. He was Tech Advisor at the 7650th AC&ISq., Wiesbaden, Germany, from October 1958 to July 1970. He returned to the Aeronautical Information Department where he

Jacksonville, Fla. He then served aboard the USS BADOENG STRAIT until discharged in 1947.

He then attended Parks College, receiving his B.S. degree and commission thru the ROTC in 1951.

office and later served in the Cartography Department as section chief in ATM Production, Department program manager, and most recently as section chief in the Imagery Analysis Division.

CWC Has Equipment For Employee Loan

The Civilian Welfare Council has purchased the following equipment available for issue to Aerospace Center civilian employees: official volleyball sets, badminton sets, basketball, softballs, softball bats, bases, corkballs, corkball bats, whiffle bats, whiffle ball bats, catcher's mitt, horseshoes and stakes, soccer balls, footballs, bocce turf bowling sets, jarts, croquet sets, tug-of-war ropes, frisbees, checkers (Chinese and standard), chess set, air pumps, and multi-purpose carrying bags.

This sports equipment will be issued for short periods of time; after work, on weekends or for picnics. The individual checking out the equipment is responsible for the return of the equipment in good condition. Equipment is located at 2nd Street and 8900 S. Broadway. To check out equipment at 8900 So. Broadway, contact Carol Gaffney and at 2nd Street contact Marilyn Krygiel.

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Col. Robert C. Burns
Director
David L. Black
Chief, Public Affairs Office
Editor

Morton Named ASMC Prez

Paul Morton, Aerospace Center Comptroller, was recently elected to the president's position of the American Society of Military Comptrollers, Gateway Chapter.

The organization is currently instituting a program of award recognition for members of military comptroller organizations in the Greater St. Louis area.

Johnson, Arthur E. Kirchner, Warren A. Matthews, Thomas J. Murphy, Dolores F. Schulte, John R. Smith, Vivian J. Upchurch, Stanley K. White, Morris J. Williams, Jr.

SPECIAL ACT AWARD

Janet M. Kahle, Donald E. Tisdell, Charles O. Williams.

SUGGESTION AWARDS

Claude R. Sides, \$520.00; Elmer W. Held, \$350.00; Ronald W. Hudgens, \$215.00; Beverly J. Earles, \$65.00; Frank Billings, \$60.00; Turner H. Johnson, \$50.00; Russell L. McGowan, \$50.00; Robert L. Meinhardt, \$50.00; Carns W. Mullins, \$30.00; Helen A. Brown, \$25.00; Jaunetha M. Cade, \$25.00; Walter L. Doelger, \$25.00; Richard J. Ganahl, Jr., \$25.00; Terry L. Graham, \$25.00; Bernal F. Powers, Jr., \$25.00; Paul J. Fincannon, Charles E. Hollyfield, Elvin D. Lewis, Stephen R. Stover.

Retirements

April-June 1979

Barbee, Benny W.	SOP	Jones, Mildred F.	CMDOS
Black, Charles F.	SOP	Karleskint, Robert M.	SDRG
Brown, Dorothy C.	SDDL	Long, Robert L.	GDCAA
Brueckmann, Robert B.	ACACB	Myers, Chester F.	LOMC
Chalcraft, Herbert J.	ADDNE	Ollar, Edwin J.	ADDP
Courtaway, Odell R.	LOMP	Partegyl, Gilbert	ACACA
DeBolt, William P.	CMDC	Passalacqua, Michael W.	SDRCB
Ebel, Bernhard C. II	ACADB	Schuhardt, Charles B.	FEMAF
Elliott, Billy W.	ADDSA	Simanek, Rudy L.	PPCA
Ferguson, Gilbert C.	AD	Smith, Billy G.	ACIDE
Gilleylen, Hershell	LOSAR	Stuedtner, Raymond H.	GAT
Gonza, Ernest B.	GAF	Travis, Mildred M.	CM
Grebe, Hale Y.	ADPF	Vader, Helen S.	ADLD
Griffin, Lucius C.	LOMC	Vogel, Joseph P.	GDDBA
Gunn, Allen C.	GDM	Wedig, Henry J.	GDGB
Heitmeyer, Rita M.	PPCA	Wuthrich, Rose	ACCC
Hrabovsky, Steve J.	ADDP		

"I'll Build You A Church"— Vacation With A Heart

by Bob Wolverton

The stereotyped annual vacation questions of, "seashore or mountains," and "what to do" were resolved in a unique way by three Center employees this spring. The trio, Paul Fincannon and myself and wife, Mary Wolverton, spent two weeks in the mountains of the Dominican Republic—not doing the usual sightseeing and shopping—but constructing a church for a local congregation in Constanza, Dominican Republic.

The three of us (Paul, Bob, and Mary, GDC, FEE and CMF, respectively) are members of the Washington Park Fellowship in Webster Groves. Members of the Fellowship have participated in an Assembly of God program called Manpower and Placement Service, (MAPS) each of the past three years. In the past two years the program has gratefully utilized woman power, as can be attested to by Mary Wolverton and Elayne

Fincannon, Paul's wife. One of the basic functions of the MAPS program is to supply workers where needed on field projects requested by the local missionaries.

The Constanza project was requested by Missionary Eugene Woods, who, with his family, has been stationed in the Dominican Republic for the last seven years.

The 24' x 72' building, as can be seen in the photos, was constructed of reinforced concrete block masonry, with timber trusses, and corrugated metal roofing. The concrete foundation had been placed by local church members in preparation for our coming. The actual construction was accomplished by six men and three ladies from Washington Park Fellowship along with local church members from Constanza. Even the pastor from WPF, Rev. Gaylon Vinson, wearing bib overalls, participated in the work along with

his wife, Jeannene.

Our construction methods probably seemed different to the local people. One of our group had some difficulty explaining why he needed a four foot level in the Dominican to the perplexed custom officials. The fact that he carried it in a leather case over his shoulder added, I'm sure, to the problem. There were, however, many things in common. When faced with the fact that no cement mixers were available, we turned to the tried and true hand method shown in one photo. All mixing, incidentally, was done by local people. Another thing common to construction sites everywhere is the roadside superintendent. Our youthful Dominican superintendents alternated between observing North Americans working in the sun, and their second favorite pastime—baseball.

While there was no time for baseball for the WPF Group, Sunday was used for limited sightseeing. Constanza is in a valley at about 4800 feet elevation, surrounded by mountains approaching 7000 feet. Scenery was beautiful wherever one looked. In the morning the clouds were many times below the mountains appearing to almost touch the verdant valley floor. The Constanza area produces much of the vegetables for the country. Fruit trees such as mango, papaya and banana were everywhere along with lush fields of cabbage, garlic, beans, beets, you name it. With the abundance of God's many



CEMENT MIXERS—Do it yourself only.



Organizing the day's work, Bob Wolverton (dark work clothes center) checks the progress on wall construction as "superintendents" offer suggestions.

blessings in this remote mountain valley one always felt close to Him.

There are many things that stick in your memory about a trip like this—the excellent weather, good food, spectacular scenery—but most of all it would be the people of Constanza. The hard-working, fun-loving, God-fearing people. When on the next to last construction day our work was rained out the

service in song. Those folk realized, as did we, that the building could never have been completed by just people, most of whom had no construction experience, had jobs which hardly prepared them for the physical rigors involved, and, in addition, spent much of their time involved in and recovering from the effects of questionable drinking water.





The local youth provided the inevitable roadside superintendent.

Center Softball

On July 10, in a replay of a tied game, the Tenrags showing power and speed on the bases, walloped the Misfits to win 32 to 2.

In the regularly scheduled games on July 11, the Tenrags shutout the Master Batters 19 to 0 with good defense and offense by outfielder Jim Quick and pitcher Marcel Janowski allowing only 2 hits to the Master Batters.

The Buffalo Chips came from behind to squeak by the Twins II, 12 to 11. Good hitting was provided by Joe Maghe and Bill James of the Chips and Buster Haynes of the Twins, but the Chips prevailed and won.

The Mustangs came from 5 runs behind to overpower the Pink Flamingos 15 to 11. John Fletcher and Charlie Chapman combined

for 7 hits to overcome a fine performance by Jeff Bowman of the Flamingos.

The Wonies, led by Jan Whitford and Gordon Johnson, beat the Cougars 14 to 5. The Wonies overcame a strong performance by the Cougars' Dave "Homerun" Gladden and defense by Tom Haas.

The Panthers kept the Wombats winless by beating them 11 to 4. Walt Fisher, Roosevelt Finley and Steve Truss of the Panthers led their hitting attack. Don Koboldt and Bob Jet of the Wombats turned in fine performances.

The Jakes defeated a tired Misfit team 12 to 4 behind the 3 for 3 and 5 RBI performance of Brian Lewis and the outstanding defensive play of Kevin Spittler at shortstop.

Standings as of July 11

Division I			Division II		
Team	Won	Lost	Team	Won	Lost
Panthers	6	2	Tenrags	9	0
Pink Flamingos	6	2	Mustangs	8	1
Master Batters	4	4	Jakes	5	4
Buffalo Chips	2	6	Misfits	5	4
Wonies	2	6	Rogues	4	4
Cougars	1	7	Twins II	3	6
			Wombats	0	9

beans, bees, you name it. With the abundance of God's many

Sandbaggers Golf

Sandbaggers will hold its fourth golf tournament of the season August 2nd at Paradise Valley, Thursday at 1:15 p.m. So far the tournaments have been a huge success. The first three have been scrambles and the scores have been remarkably low.

The first tournament was held at Clinton Hills where a score of 65 won. The second tournament at Triple Lakes ended in a three-way tie with 69 although the conditions that day were unmerciful with 20 mph winds throughout the tournament. The third tournament was held at Columbia where a score of 65 won. Conditions were excellent. Trophies are awarded to each member of the winning team.

The next tournament is a "play your own ball" tourney using handicap-Callaway system. Like to play? See a member for details. Three more scrambles are planned for August and September.

Highlights of Clinton Hills Tournament—Despite a score of 1 under par, 5 behind the leaders, the team of John Sloan's made a run on the back nine with two birdies in a row only to bogey the par 3,200 yd. 16th hole to finish behind Howard Peacock's team of 1 under.

Bill Judge returned to golf after a four year absence and battled a slice for 16 holes, but his putter was hot, dropping a 40 footer on 13 for an eagle and making a 30 footer on

17th, God fearing people. When on the next to last construction day our work was rained out, the people gathered in the all but completed building and in a simple spontaneous way held a worship

service. Much of their time involved in and recovering from the effects of questionable drinking water. The building constructed in Constanza during our vacation, was indeed a house the Lord built.



The beginning of the end as roof gables are placed forming the final appearance of the project.

15. Judge remarked after the tournament (his first he's played in), "I'll leave my clubs home next time and just use my putter."

Highlights of Triple Lakes—Howard Peacock, who shoots consistently in the mid-70s at Clinton Hills, was haunted by an old friend, Mr. Shank. "It would not go away," he said later. He's vowed to come back August 2nd with a cure, "Easy backswing and pray."

Highlights of Columbia—Dallas Leavitt drove the green on the 13th hole. Warren Osterloh continues to win closest to the hole prizes by being 15 feet away from the 200 yd. par 3, #6. Bob Touzinsky, Warren's playing partner, also won a closest to the pin at Clinton.

Toastmasters Officers

Installation of new officers for the Aerospace Center Toastmasters organization was held recently.

The new president for the July thru December term is Ken Whitfield. George Peo is the educational vice president; Charlene Gill, administrative vice president; Peter Robison, secretary; Dennis Franklin, treasurer and Kent Kenniston, sergeant-at-arms.